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|---|--|--|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |  | ATTORNEY'S DOCKET NUMBER<br>297912005700<br>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><div style="font-size: 2em; font-weight: bold; text-align: center;">10/549818</div> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/003328  | INTERNATIONAL FILING DATE<br>29 March 2004 | PRIORITY DATE CLAIMED<br>29 March 2003   |
| TITLE OF INVENTION<br>PRESSURE GENERATING UNIT  |  |  |
| APPLICANT(S) FOR DO/EO/US<br>Norbert HESKE et al.   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))                         <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).                         <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))                         <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |  |
| <b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>   |  |  |

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| U.S. APPLICATION NO. <b>10/549818</b><br><small>(# shown in 37 CFR 1.51)</small>  | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2004/003327</b> | ATTORNEY'S DOCKET NUMBER<br><b>297912005700</b>                               |   |      |              |          |   |            |                    |         |   |        |  |  |
|---|---|---|---|------|--------------|----------|---|------------|--------------------|---------|---|--------|--|--|
| 20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard   |   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| The following fees have been submitted  |   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300  | <b>CALCULATIONS</b><br>\$ 300.00                          | <b>PTO USE ONLY</b>   |   |      |              |          |   |            |                    |         |   |        |  |  |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion of the ISA/US or the international preliminary examination report<br>prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>All other situations ..... \$200   | \$ 200.00   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by<br>IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an<br>International Searching Authority ..... \$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or<br>previously communicated to the US by the IB ..... \$400<br>All other situations ..... \$500 | \$ 400.00   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| <b>TOTAL OF 21, 22 and 23 =</b>   | <b>\$ 900.00</b>  |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding<br>sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an<br>electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 30%;">RATE</th> </tr> <tr> <td>8 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>  | Total Sheets  | Extra Sheets  | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | 8 - 100 =    | /50 =    |   | x \$250.00 | \$                 |         |   |        |  |  |
| Total Sheets  | Extra Sheets  | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE  |      |              |          |   |            |                    |         |   |        |  |  |
| 8 - 100 =   | /50 =   |   | x \$250.00  |      |              |          |   |            |                    |         |   |        |  |  |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration<br>after the date of commencement of the national stage (37 CFR 1.492(h)).   |   |   | \$  |      |              |          |   |            |                    |         |   |        |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>7 - 40 =</td> <td>x</td> <td>0.00</td> </tr> <tr> <td>Independent claims</td> <td>4 - 3 =</td> <td>x</td> <td>200.00</td> </tr> </table>   | CLAIMS  | NUMBER FILED  | NUMBER EXTRA  | RATE | Total claims | 7 - 40 = | x | 0.00       | Independent claims | 4 - 3 = | x | 200.00 |  |  |
| CLAIMS  | NUMBER FILED  | NUMBER EXTRA  | RATE  |      |              |          |   |            |                    |         |   |        |  |  |
| Total claims  | 7 - 40 =  | x   | 0.00  |      |              |          |   |            |                    |         |   |        |  |  |
| Independent claims  | 4 - 3 =   | x   | 200.00  |      |              |          |   |            |                    |         |   |        |  |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) ..... +   |   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |   |   | <b>\$ 900.00</b>  |      |              |          |   |            |                    |         |   |        |  |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |   |   |   |      |              |          |   |            |                    |         |   |        |  |  |
| <b>SUBTOTAL =</b>   |   |   | <b>\$ 1100.00</b>   |      |              |          |   |            |                    |         |   |        |  |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492(i)).  |   |   | \$  |      |              |          |   |            |                    |         |   |        |  |  |
| <b>TOTAL NATIONAL FEE =</b>   |   |   | <b>\$ 1100.00</b>   |      |              |          |   |            |                    |         |   |        |  |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied<br>by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property ..... +   |   |   | \$  |      |              |          |   |            |                    |         |   |        |  |  |
| <b>TOTAL FEES ENCLOSED =</b>  |   |   | <b>\$ 1100.00</b>   |      |              |          |   |            |                    |         |   |        |  |  |
|   |   |   | Amount to be refunded:  | \$   |              |          |   |            |                    |         |   |        |  |  |
|   |   |   | Amount to be charged  | \$   |              |          |   |            |                    |         |   |        |  |  |

10/549818

PTO-1390 (Rev. 07-2005)

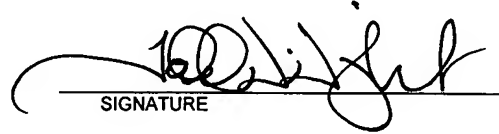
Approved for use through 03/31/2007. OMB 0651-0021  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 03-1952 in the amount of \$ 1100.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 03-1952. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information  
should not be included on this form. Provide credit card information and authorization on PTO -2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

  
SIGNATURE

Todd W. Wight  
NAME

CUSTOMER NUMBER: 25224

45,218  
REGISTRATION NUMBER

10/549818

JC05 Rec'd PCT/PTO 20 SEP 2005

PTO/SB-17 (12-04-02)

Approved for use through 7/31/2006. OMB 0651-0032

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|   |  |                          |   |
|---|--|--------------------------|---|
| Effective on 12/08/2004.<br>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).<br><b>FEE TRANSMITTAL</b><br><b>For FY 2005</b> |  | <b>Complete if Known</b> |   |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |  | Application Number       | Not Yet Assigned                        |
|   |  | Filing Date              |   |
|   |  | First Named Inventor     | Norbert HESKE                           |
|   |  | Examiner Name            | Not Yet Assigned                        |
|   |  | Art Unit                 | Not Yet Assigned                        |
| <b>TOTAL AMOUNT OF PAYMENT</b>  |  | <b>(\$)</b> 1100.00      | <b>Attorney Docket No.</b> 297912005700 |

**METHOD OF PAYMENT** (check all that apply)

☐ Check    ☐ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account Number: 03-1952    Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below    ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17    ☒ Credit any overpayments

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES**

| Fee Description                                    | Fee (\$) | Small Entity Fee (\$) |
|--|----------|-----------------------|
| Each claim over 20 (including Reissues)            | 50       | 25                    |
| Each independent claim over 3 (including Reissues) | 200      | 100                   |
| Multiple dependent claims                          | 360      | 180                   |

| Total Claims  | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|---------------------------|----------|---------------|
| 7             | - 40 =       | x        | =             |                           |          |               |
| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |                           |          |               |
| 4             | - 3 =        | 1        | x 200.00 =    |                           |          |               |
|               |              |          | 200.00        |                           |          |               |

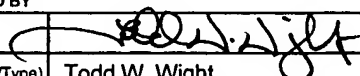
**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$)                       | Fee Paid (\$) |
|--------------|--------------|--|--------------------------------|---------------|
| 8            | - 100 =      | /50  | (round up to a whole number) x | =             |

**4. OTHER FEE(S)**

|   | Fees Paid (\$) |
|---|----------------|
| Non-English Specification, \$130 fee (no small entity discount) |                |
| Other (e.g., late filing surcharge):                            |                |
| 1631 Basic National Stage fee                                   | 300.00         |
| 1633 National Stage Examination Fee - all other ...             | 200.00         |
| 1642 National Stage Search Fee - search report ...              | 400.00         |

|                     |   |                                   |                    |
|---------------------|---|-----------------------------------|--------------------|
| <b>SUBMITTED BY</b> |   |                                   |                    |
| Signature           |  | Registration No. (Attorney/Agent) | 45,218             |
| Name (Print/Type)   | Todd W. Wight   | Telephone                         | (949) 251-7189     |
|                     |   | Date                              | September 20, 2005 |

Application No. (if known): Not Yet Assigned

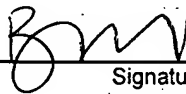
Attorney Docket No.: 297912005700

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV731925708US in an envelope addressed to:

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on September 20, 2005  
Date



Signature

Barbara Hayashi

Typed or printed name of person signing Certificate

Registration Number, if applicable

(949) 251-7500  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (3 pages)  
Fee Transmittal  
Oath or declaration of the inventor(s) – 1 page  
Application Data Sheet – 3 pages  
POA - 2 pages  
English language translation of the International application  
Return receipt postcard

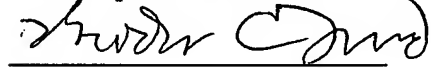
# MERRILL BRINK INTERNATIONAL

State of Minnesota     )  
                                  )  
County of Hennepin    )     ss:

## Certificate of Accuracy

This is to certify that the attached document, Reference Number W02004086978, originally written in German is, to the best of our knowledge and belief, a true, accurate and complete translation into English.

Dated: September 16, 2005



Bridget Freed  
Project Manager  
Merrill Brink International

Sworn to and signed before  
Me this 16th day of  
September, 2005

  
Notary Public